



## Retraction Note: Effects of genistein on pentylenetetrazole-induced behavioral and neurochemical deficits in ovariectomized rats

Amr A. Elsayed<sup>1</sup> · Esther T. Menze<sup>1</sup> · Mariane G. Tadros<sup>1</sup> · Bassant M. M. Ibrahim<sup>2</sup> · Nagwa A. Sabri<sup>3</sup> · Amani E. Khalifa<sup>1</sup>

Published online: 14 February 2024  
© Springer-Verlag GmbH Germany, part of Springer Nature 2024

**Retraction Note: Naunyn-Schmiedeberg's Arch Pharmacol (2018) 391:27–36**  
<https://doi.org/10.1007/s00210-017-1435-7>

The Editor-in-Chief has retracted this article. After publication, concerns were raised regarding the published images. Specifically:

- Fig. 2a and g appear to contain an overlapping area.
- Fig. 5b, c and g appear to have some duplicated features.
- Fig. 5d appears to have signs of editing in the top left corner.

The authors have stated that the image in Fig. 2g was misused and provided the original images for Fig. 5. The original images have confirmed that the issues in the top left corners of Fig. 5b, d and g were caused by re-labelling; however, there are noticeable differences in other areas of Fig. 5c compared with the original image. The Editor-in-Chief therefore no longer has confidence in the presented data.

Basant M. M. Ibrahim does not agree to this retraction. None of the other authors have responded to any correspondence from the publisher about this retraction.

**Publisher's Note** Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

---

The original article can be found online at <https://doi.org/10.1007/s00210-017-1435-7>.

---

✉ Esther T. Menze  
[esther.menze@gmail.com](mailto:esther.menze@gmail.com)

<sup>1</sup> Department of Pharmacology and Toxicology, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt

<sup>2</sup> Department of Pharmacology, National Research Center, Cairo, Egypt

<sup>3</sup> Department of Clinical pharmacy, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt